

Claims

What is claimed is:

- 5 1. A lighting device comprising:
 a plurality of LEDs as a light source;
 a solar power source;
 a rechargeable voltage source in communication with the solar power
 source; and
10 a light reflector for reflecting the light emerging from the LEDs.
2. The device of claim 1 wherein the light source is bright white LEDs.
3. The device of claim 2 wherein the light reflector comprising a reflective
15 layer.
4. The device of claim 3 wherein the rechargeable voltage source is a battery
 pack.
- 20 5. The device of claim 4 wherein the light device further comprising a charge
 controller.
6. The device of claim 5, wherein the charge controller controls overcharging
 of the battery pack.
- 25 7. The device of claim 6, wherein the charge controller controls
 undercharging of the battery pack.

8. The device of claim 7, wherein the charge controller controls the amount of charge that is supplied to the LEDs.

9. A lighting system having a plurality of lighting devices, wherein each of the lighting devices comprising:

a plurality of LEDs as a light source;

a solar power source;

a rechargeable voltage source in communication with the solar power source; and

a light reflector for reflecting the light emerging from the LEDs.

10. The device of claim 9 wherein the light source is bright white LEDs.

11. The device of claim 10 wherein the light reflector comprising a reflective layer.

12. The device of claim 11 wherein the rechargeable voltage source is a battery pack.

13. The device of claim 12 wherein the light device further comprising a charge controller.

14. The device of claim 13, wherein the charge controller controls overcharging of the battery pack.

15. The device of claim 14, wherein the charge controller controls undercharging of the battery pack.

16. The device of claim 15, wherein the charge controller controls the amount

of charge that is supplied to the LEDs.

17. A portable lighting device comprising:

a plurality of LEDs as light source;

5

a solar power source;

a rechargeable voltage source in communication with the solar power source; and

a light reflector for reflecting light emerging from the LEDs.

10

18. A portable lighting device as claimed in claim 17, wherein the lighting device includes a handle;

15